Surgical Table Base, Advanced Control, Retractable
Model: 5892

of the Modular Table System (MTS) product line

Work Instruction Number 50603-04

Contact Information:

Date: _____Model/Serial#: _____ Account #: _____

Hospital Name: _____ City & State: _____

Contact Name: _____ Position: _____ Phone: _____

Equipment Location: _____

Service Representative: _____ Service Organization: _____

Service Rep. phone: _____ Home location: _____

Customer contact accepting service: _____ _____ _____

Name please print Signature Date

Service Representative: _____ _____ _____

Name please print Signature Date

Using this report: Please proceed through each step and place an "x" in the "( )" as each item representing **Pass** **Fail** **( ) ( )** criteria is inspected. If a step has failed, please indicate with an "x" and note the reasons in the comments section. If you resolve the failure place an "x" in the "Pass" area and indicate the corrective action again in the comments section. If you are unable to perform any Pass/Fail check, please contact Mizuhosi Technical Services for assistance and circle the check.

Biohazards when servicing equipment: Please take appropriate precautions for servicing potentially biohazard contaminated equipment or working in biohazard surroundings. Please wear protective surgical gloves and long sleeved gowns at all times. If your gloves or protective clothing tears, replace immediately. Have the hospital staff clean the equipment appropriately prior to servicing. Clean your tools that may become contaminated with biohazards prior to placing back in your tool kit for removal from the location. If you suspect biohazards are present do not handle until they have been cleaned.

ESD Precautions: Electro-Static Discharge can damage sensitive electronic printed circuit boards. If you are servicing any part of the equipment inside that is near or in contact with PCB's or other sensitive devices, please properly ground yourself with a proper ESD strap.

(If serviced by an outside service organization, the record must be reviewed, signed, and dated by Technical Services Dept. Refer to last page of this document).

Tools Required:

Digital Multi-meter with probe and hook leads.

Torque Wrench, calibrated at +/- three percent 95 foot/pounds

OSI Rotation Test Bar

Digital Leveler

Force Gauge, to 50lbs

Normal Hand Tools.

Materials Required:

Advance Control Base User Guide – NW0365

Advance Control Base Maintenance and Repair Manual – NW0352

Pass Fail

1. General Overall Condition.

1.1 ☐ ☐ Table base is clean, without signs of hazardous contamination, and is consistent with proper care.

Comments: _____

1.2 ☐ ☐ All labels are intact and are legible.

Comments: _____

2. Power Input Inspection.

2.1 ☐ ☐ Power cord with AC plug is free of wear, corrosion, insulation cracks, and plug is properly attached to power cord.

Comments:_____

2.3 ☐ ☐ The table base "ON/OFF" switch / circuit-breaker, is properly attached and splash protector is not torn or pierced. When switched on, green light illuminates.

Comments: _____

2.4 ☐ ☐ Verify “Battery Fault” red light does not illuminate with power cord plugged in and "ON/OFF" switch ON. If “Battery Fault” (red) light is on, please check the battery.

Comments: _____

3. All Casters Operate Properly.

3.1 ☐ ☐ Casters rotate and roll freely and smoothly full 360 degrees.

Comments: _____

3.2 ☐ ☐ Caster do not shake or have abnormal uniformity.

Comments: _____

3.3 ☐ ☐ Rubber wheels are not worn or damaged.

Comments: _____

3.4 ☐ ☐ Braking casters lock and remain engaged until unlocked.

Comments: _____

3.5 ☐ ☐ Steer caster locks straight parallel to I-Beam and wheel continues to roll.

Comments: _____

4. Retractable Base Center Beam Functions Properly.

4.1 ☐ ☐ The locking knob locks the center beam from retracting or extending.

Comments: _____

4.2 ☐ ☐ The table base retracts to approximately (approx.) 64 inches (in.) overall and extends to approx. 102 in. overall, smoothly, without binding or abnormal noise and without overriding internal stops.

Comments: _____

5. Basic Control. (Confirm table is plugged into an AC power source and toggle power switch to "ON", verify green indicator on the main power switch is lit. Verify battery fault light is not illuminated).

5.1 ☐ ☐ Hand control buttons are legible, coiled cord is free of visual damage and storage bracket is properly attached.

Comments: _____

5.2 ☐ ☐ **Head End Assy** slides uniformly in-line to its stops, in both directions (head to toe), with 20 to 25 pounds of force applied. Use force gauge.

Comments: _____

5.3 ☐ ☐ **"180 Degree Rotation Lock" (blue) handle** at the Head End. When tightened clockwise (lock), indicator light comes ON. Rotational crossbar does not rotate.

Comments: _____

5.4 ☐ ☐ **Unlock 180deg Rotation lock (blue handle)**, indicator light turns off, head end rotational crossbar rotates 360deg freely.

Comments: _____

5.5 ☐ ☐ **Turn on 180deg Rotation lock (blue handle) until indicator comes ON. Place rotational test bar fixture into the holes of the crossbar and snap the torque wrench into the fixture. Apply 95ft/pounds of force in both the right and left direction. There should be no more than 3deg rotational movement of the crossbar.**

Comments: _____

5.6 ☐ ☐ **"Rotation Safety Lock" ON/OFF Switch/Indicator Light** operates properly**. Note:** This activates the rotational brake at the foot end of the table. **Toggle Rotational Safety Lock switch to "ON".** Verify indicator on the switch illuminates and foot end rotational crossbar does not rotate.

Comments: _____

5.7 ☐ ☐ **Toggle Rotational Safety Lock switch to "OFF".** Verify indicator on the switch turns off and foot end rotational crossbar rotates 360deg freely.

Comments: _____

5.8 ☐ ☐ **Toggle Rotational Safety Lock switch to "ON". Place rotational test bar fixture into the holes of the crossbar and snap the torque wrench into the fixture. Apply 95ft/pounds of force in both the right and left direction. There should be no more than 3deg rotational movement of the crossbar.**

Comments: _____

5.9 ☐ ☐ **Tilt Drive Status Indicator** operates properly. Turn on 180deg Rotation Lock and Rotation Safety Lock. Using the hand controller, tilt table to full left tilt. Turn off Rotation Safety Lock switch; unlock 180deg Rotation Lock just to the point that the lights goes off. Table should return to level, ±3deg and Tilt Drive Status Indicator comes "ON".

Comments: _____

6. Operational Inspection. Verify the 180deg Rotation Lock indicator is ON. Verify Rotational Safety Lock switch is ON. Note: The following procedures require either a Jackson Spinal or Imaging Table Top properly secured at both head and foot ends of the table base.

6.1 ☐ ☐ Press and hold "HEIGHT UP" / "HEIGHT DOWN" button (run to its upper and lower limit). Verify both columns move smoothly and continuously without binding or undo noise

Comments: _____

6.2 ☐ ☐ Press and hold "REVTREN"/ "TREN" button (run to its limit).

Comments: _____

6.3 ☐ ☐ Press and hold "LEFT LATERAL"/ "RIGHT LATERAL ROLL" button (run to its 25deg left & right limit).

Comments: _____

6.4 ☐ ☐ Press and hold **Arc Interlock Switch** button (located behind foot end pivot assembly) while pressing left or right tilt functions, verify the Tilt Function is disabled and table does not move.

Comments: _____

6.5 ☐ ☐ Turn ON rotational safety lock switch. Press and hold **Arc Interlock Switch** button (located behind foot end pivot assembly). Toggle rotational safety lock switch to OFF. Verify the foot brake remains locked.

Comments: _____

7. Emergency Override (battery backup) operates properly.

7.1 ☐ ☐ Toggle the main power switch to OFF. Verify that the "Rotation Safety Lock", "180deg indicator", and "Tilt Drive Status" lights remain on for 20-30 seconds.

Comments: _____

7.2 ☐ ☐ Push "Emergency Power" override button (located under the head of table base). You have 30sec power from the battery. Press and hold "LEFT LATERAL ROLL" button until stops. Then bring the top back to its level position.

Comments: _____

This section is for Technical Services use only.

Reviewed**:** _____ Signature: _____ Date: _____